

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Jung Joon Lee et al.  
Serial No. :  
Filed :  
PCT NO. : PCT/KR03/00155  
IFD : JANUARY 24, 2003  
TC/A.U. :  
Confirmation No:  
Examiner :

Docket No. : 04-417  
Customer No. : 34704

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with the requirements of 37 CFR 1.97 and 1.98,  
Applicant hereby submits the documents listed hereinbelow, copies  
enclosed.

- (1) U.S. Patent No. 5,900,434 entitled METHOD FOR  
INHIBITING THE PRODUCTION..., By Pyun et al., patented  
May 4, 1999. The abstract is attached hereto.
- (2) Korean Patent Abstracts No. 00241269, entitled MEDICINE  
FOR HEPATITIS C..., By Kim et al., published November 2,  
1999. The abstract is attached hereto.
- (3) Choi, in Pyo et al., Studies on Development of novel  
functional biological molecules: Investigation of  
Mechanism of actions and regulatory molecules of  
inflammatory cytokines" In; Final report to the  
Ministry of Science & Technology, July 1998. The

document is attached hereto.

- (4) Korean Patent Abstracts No. 1020030043191, entitled IMMUNOSTIMULATING COMPOSITION CONTAINING..., By Kim et al., published June 2, 2003. The abstract is attached hereto.
- (5) U.S. Patent No. 6,365,798 entitled METHOD FOR ENHANCEMENT OF NATURALLY OCCURRING..., By Brown, patented April 2, 2002. The abstract is attached hereto.
- (6) Tong L et al., "Effects of plant polysaccharides on cell proliferation and cell membrane contents of sialic acid, phospholipid and cholesterol in S 180 K 562 cells'. IN; Zhongguo Zhong Xi Yi Jie He Za Zhi 1994 Aug, 14(8): 482-4. The document is attached hereto.
- (7) An article entitled "Pimaradiene Diterpenes From Acanthopanax Koreanum", By Kim et al., published by Journal of Natural Products, Vol. 51, No. 6 pp. 1080-1083, Nov.-Dec. 1988). The abstract is attached hereto.
- (8) An article entitled "Antioxidant and Hepatoprotective...", By Lin et al., published by

Pytotherapy Research, Vol. 14, pp. 489-494, (2000).

The abstract is attached hereto.


- (9) An article entitled "New Hepatoprotective saponins, Bupleurosides...", By Matsuda et al., published by Bioorganic & Medicinal Chemistry Letters, Vol. 7, No. 17, pp. 2193-2198, (1997). The abstract is attached hereto.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

Respectfully submitted,

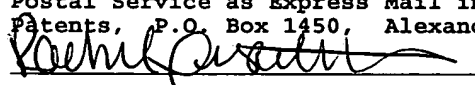
Jung Joon Lee et al.

By

  
Gregory P. LaPointe  
Attorney for Applicants  
Reg. No.: 28,395  
Tel: (203) 777-6628  
Fax: (203) 865-0297

Date: July 19, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313" on July 19, 2004.

  
Rachel Piscitelli

10/502140

DT12 Rec'd PTO/PTO 19 JUL 2004

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	
		Filing Date	
		First Named Inventor	Jung Joon Lee et al.
		Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	04-417

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Choi, in Pyo et al., Studies on Development of novel functional biological molecules: Investigation of Mechanism of actions and regulatory molecules of inflammatory cytokines"	
		Tong L et al., "Effects of plant polysaccharides on cell proliferation and cell membrane contents of sialic acid, phospholipid and cholesterol in S 180 K 562 cells". IN; Zhon	
		An article entitled "Pimaradiene Diterpenes From Acanthopanax Koreanum", By Kim et al., published by Journal of Natural Products, Vol. 51, No. 6 pp. 1080-1083, Nov.-Dec. 1988)	
		An article entitled "Antioxidant and Hepatoprotective...", By Lin et al., published by Pytotherapy Research, Vol. 14, pp. 489-494, (2000).	
		An article entitled "New Hepatoprotective saponins, Bupleurosides...", By Matsuda et al., published by Bioorganic & Medicinal Chemistry Letters, Vol. 7, No. 17, pp. 2193-2198,	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Jung Joon Lee et al.
Art Unit	
Examiner Name	
Attorney Docket Number	04-417

Sheet	1	of	2
-------	---	----	---

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		KR 00241269	11-02-1999	Kim et al.		
		KR 1020030043191	06-02-2003	Kim et al.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**